### PIPELINED CIRCUIT Joseph KU DOCKET NO.: 10013827-1 1/8 TRANSITION DETECTION **BACK-END** BUS 150 130 出 COMB. STAGE POWER CONTROL PIPELINED CIRCUIT 110 100 COMB. S P<sub>3</sub> <u>|</u> BUFFER TRANSITION DETECTION FRONT-END

,135

**POWER MANAGEMENT FOR A** 

# POWER MANAGEMENT FOR A PIPELINED CIRCUIT Joseph KU DOCKET NO.: 10013827-1 2/8

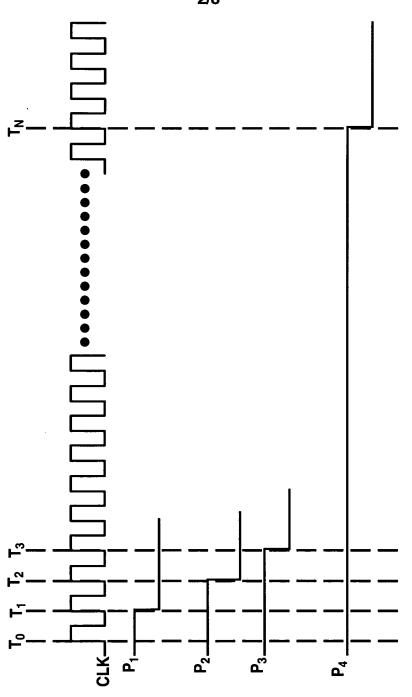
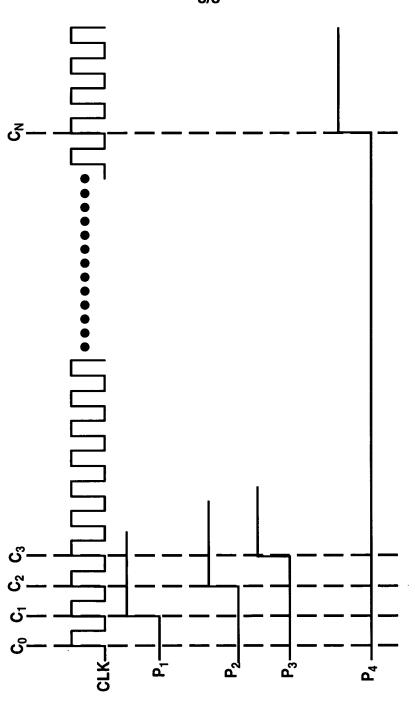


FIG. 2

### **POWER MANAGEMENT FOR A PIPELINED CIRCUIT** Joseph KU DOCKET NO.: 10013827-1 3/8



## POWER MANAGEMENT FOR A PIPELINED CIRCUIT Joseph KU DOCKET NO.: 100013827-1 4/8

<u>130</u>

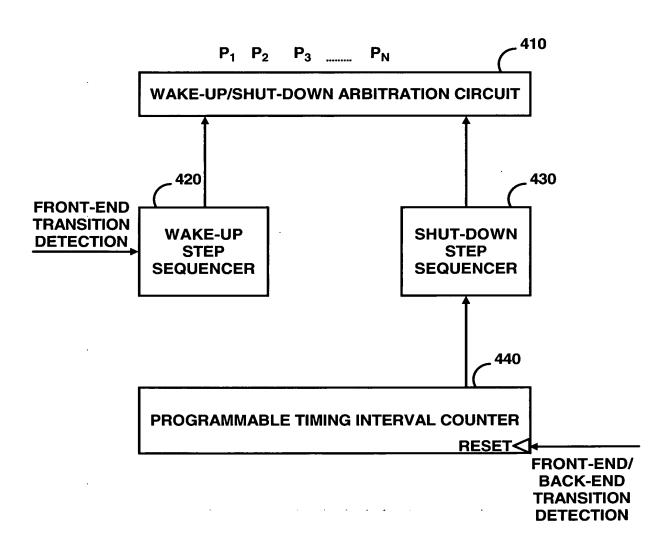


FIG. 4

### **POWER MANAGEMENT FOR A** PIPELINED CIRCUIT Joseph KU DOCKET NO.: 10013827-1 5/8

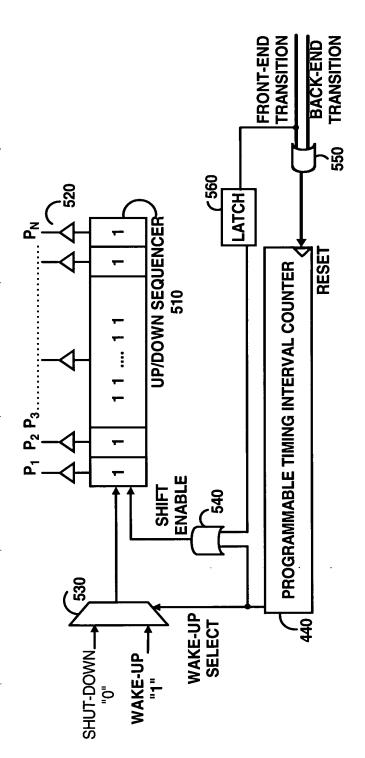


FIG. 5A

#### POWER MANAGEMENT FOR A PIPELINED CIRCUIT Joseph KU DOCKET NO.: 10013827-1 6/8

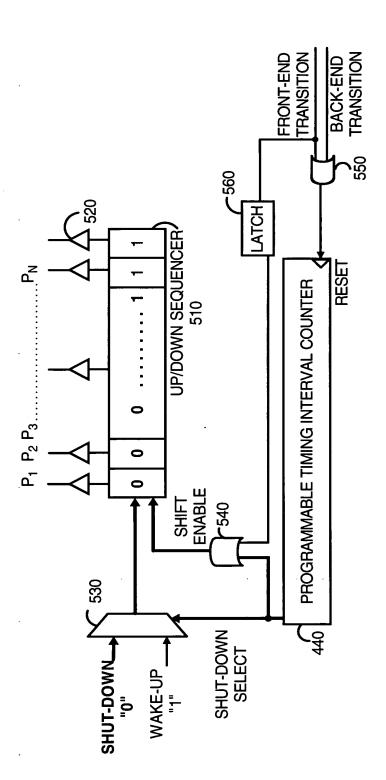


FIG. 5B

### **POWER MANAGEMENT FOR A PIPELINED CIRCUIT** Joseph KU DOCKET NO.: 10013827-1 7/8

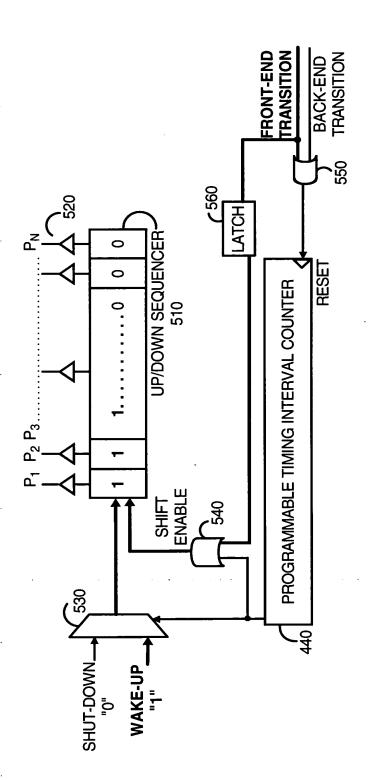


FIG. 5C

#### **POWER MANAGEMENT FOR A PIPELINED CIRCUIT** Joseph KU **DOCKET NO.: 100013827-1** 8/8 600 **BEGIN** 610 NO TRANSITION DETECTED NO PRIOR TO A LAPSE OF THE PREDETERMINED **PERIOD OF TIME? YES PERFORM** 615 **SEQUENTIAL SHUT-DOWN PROCEDURE** 620 TRANSITION DETECTED NO AT THE INPUT OF THE **PIPELINED CIRCUIT?** YES **PERFORM** 625 **SEQUENTIAL TURN-ON PROCEDURE** FIG. 6